

3M™ Digital Projector

File Transfer Tool Guide Version 1.0

For Models: X62w / X64w / X90w / X95

Revision History

Revision Date	Page(s) Changed	Description of Change
4/2009	All pages	First edition released.

Intended Use

The 3M™ Digital Projectors are designed, built, and tested for use indoors, using 3M lamps, 3M ceiling mount hardware, and common line voltages (100V to 240V AC, 50/60 Hz). The use of other replacement lamps, outdoor operation, or different voltages has not been tested and could damage the projector, peripheral equipment and/or create a potentially unsafe operating condition.

3M Digital Projectors are designed to operate in a normal office environment.

- 100V - 240V AC, 50/60 Hz
- 16° to 29° C (60° to 85° F)
- 10-80% RH (without condensation)
- 0-1828m (0-6000 feet) above sea level

The ambient operating environment should be free of airborne smoke, grease, oil and other contaminants that can effect the operation or performance of the projector.

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1 Introduction

1.1 Outline

Projector File Transfer Tool allows you to transfer computer files to a storage media (SD memory card or USB flash drive) that is connected to the X62w, X64w, X90w or X95 through the network. The supported file formats are text, jpeg, ping and bitmap (txt, jpg, jpeg, png, bmp) and the file name has to be ASCII (expects ¥/.,;*?"<>|).

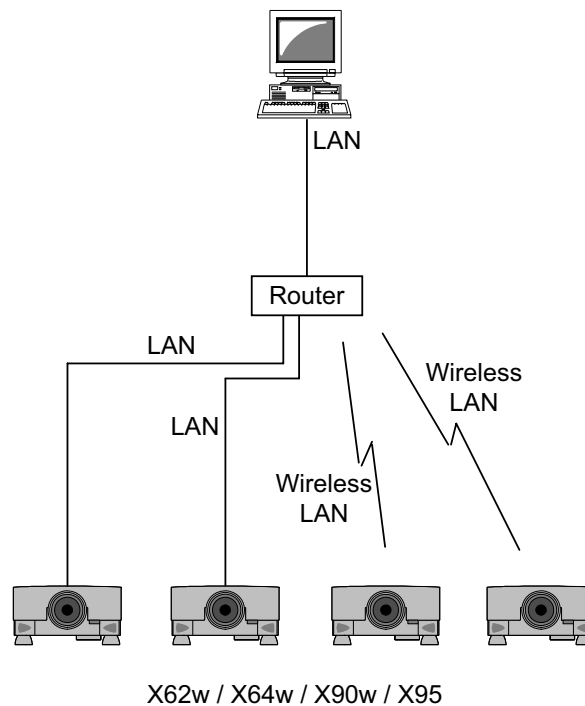
An image number for e-SHOT feature is able to assign to the transferring file. The e-SHOT is available from [MIU] → [e-SHOT] menu on the projector.

[Note]

- The network configuration is required to transfer files from computer to projector. Please check the User's Manual-Network Functions for network configuration.
- The storage media (SD memory card or USB flash memory) is required to use this feature. Please check the User's Manual-Network Function for compatible media.
- Please check User's Manual-Operating Guide for e-SHOT feature.

1.2 System

The following diagram shows a typical network diagram for the Projector Image Tool



- Use a UTP cable Category 5 or higher for a Local Area Network cable.

2 Installation

2.1 System Requirements

The following is the minimum system requirements for hardware & software.

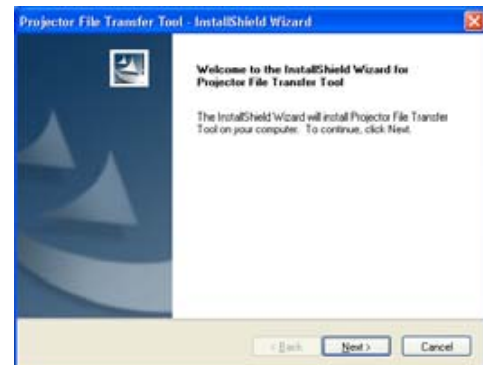
- (1) Operating System
Windows 2000 Professional
Windows XP Home Edition
Windows XP Professional
Windows Vista
- (2) CPU
Pentium3 500MHz or higher
- (3) Memory
128MB or higher
- (4) Hard Disc
Minimum 3MB free space for installation.
- (5) Wired LAN or Wireless LAN
Required for transfer files,
- (6) Storage Media (SD memory, USB Memory etc.)
Required for store the file on the projector.

2.2 Projector File Transfer Tool Installation

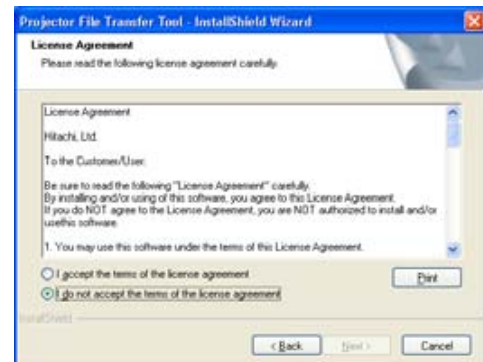
- (1) Double click the file "InstForPJTransfer.exe".
- (2) Select the language (English, Japanese or Chinese [Simplified]) during the installation process. And then click [OK].



- (3) Click [Next]



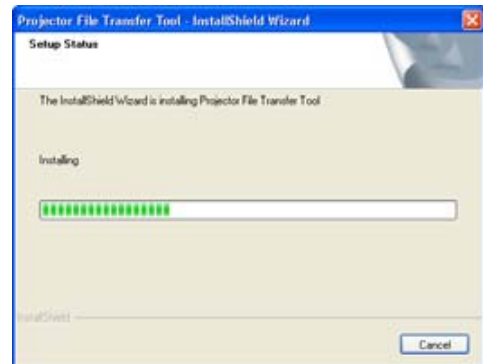
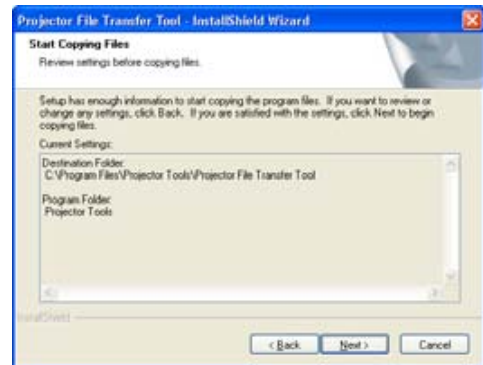
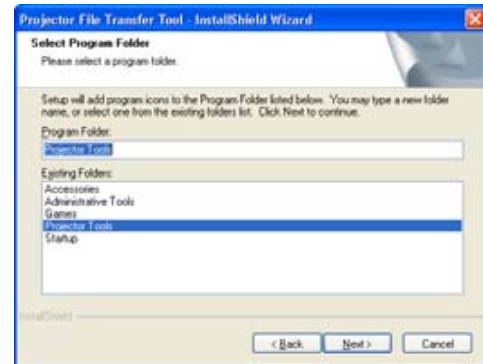
- (4) Read "License Agreement" and select "I accept the Functions of the license agreement" and click [Next] to agree. Otherwise, click [Cancel] and stop the installation.



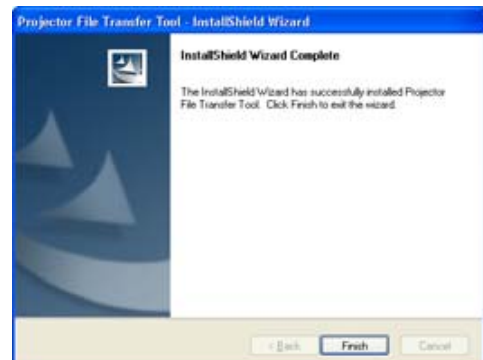
(5) Confirm the program folder, and then click [Next].



(6) Confirm the install folder and program folder again, and then click [Next].



(7) Click [Finish] to complete the Projector File Transfer Tool setup wizard.



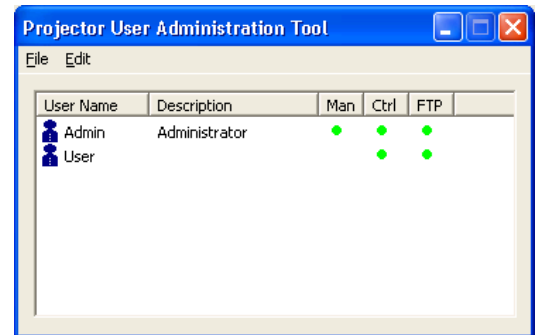
3 Operating Instructions

3.1 Create login accounts

The Projector File Transfer Tool requires a login name and password to launch the software. The Projector User Administration Tool helps you to create new user accounts.

3.1.1 How to launch

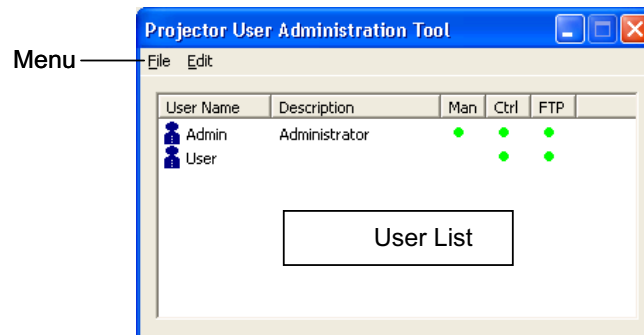
Double Click "PJUsrEdit.exe" that is located on the same folder as the installed Projector File Transfer Tool. It automatically launches the Projector User Administration Tool, if no user accounts are created yet. Also, Projector File Transfer Tool has a short cut [File] → [User Configuration] to launch Projector User Administration Tool.



3.1.2 How to exit

Select [File] → [Exit] from the menu or click [x] in the top right corner. If changes are made, you will be required to confirm the changes.

3.1.3 Main Window



(1) Menu

Menu	Sub Menu	Description
File	Save	Save user data
	Exit	Exit
Edit	Add New User	Create new user
	Change User	Edit user account
	Delete User	Delete user account

(2) User List

The status in the User List is described below.

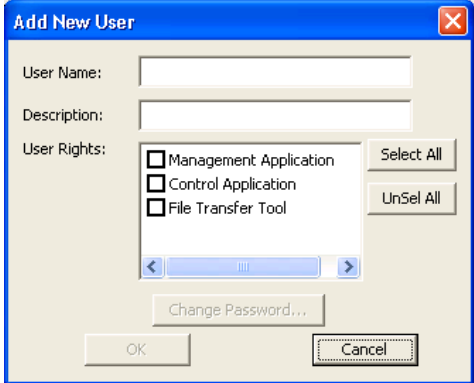
Row name	Description
User Name	Username (ID)
Description	Comment
Man	"●" shows that the user can access to the PJMan (Projector Management Application).
Ctrl	"●" shows that the user can access to the PJCtrl (Projector Control Tool).
FTP	"●" shows that the user can access to the PJTransfer (Projector File Transfer Tool).

3.1.4 Creating new user account

Select [Edit] → [Add New User] or right click on the user list and select [Add New User]. The following dialog window appears.


User Name	---	Define user name, up to 20 characters
Description	---	Add comments, up to 50 characters
User Rights	---	Define accessibility. It defines the accessibility for the application software by each user account. The user can use allocation only marked application software.
Select All	---	Select all application software.
UnSel All	---	Unselect all application software.

Press [OK] button after entering user name. The [Change Password] dialog appears. Enter new password and confirm entered password. The password is up to 20 characters and case sensitive.



The 'Add New User' dialog box has a blue title bar and a close button (X) in the top right corner. It contains the following fields and controls:

- User Name:** A text input field.
- Description:** A text input field.
- User Rights:** A list box containing three items: 'Management Application', 'Control Application', and 'File Transfer Tool'. To the right of the list box are two buttons: 'Select All' and 'UnSel All'.
- Change Password...** A button located below the list box.
- OK** and **Cancel** buttons at the bottom.



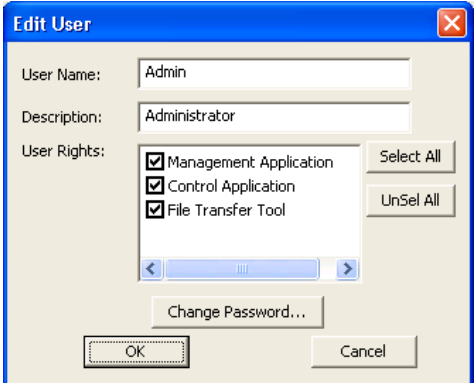
The 'Change Password' dialog box has a blue title bar and a close button (X) in the top right corner. It contains the following fields and controls:

- Old Password:** A text input field.
- New Password:** A text input field.
- New Password(Re-Type):** A text input field.
- OK** and **Cancel** buttons at the bottom.

3.1.5 Edit user account

Double click a username on the user list or select [Edit] → [Change User] after choosing user to open edit dialog. You can edit username, description and accessibility (user rights).

Click the button to change password. Enter old and new password, and re-enter new password to confirm.



The 'Edit User' dialog box has a blue title bar and a close button (X) in the top right corner. It contains the following fields and controls:

- User Name:** A text input field with 'Admin' entered.
- Description:** A text input field with 'Administrator' entered.
- User Rights:** A list box containing three items: 'Management Application', 'Control Application', and 'File Transfer Tool'. All three items are checked. To the right of the list box are two buttons: 'Select All' and 'UnSel All'.
- Change Password...** A button located below the list box.
- OK** and **Cancel** buttons at the bottom.



The 'Change Password' dialog box has a blue title bar and a close button (X) in the top right corner. It contains the following fields and controls:

- Old Password:** A text input field.
- New Password:** A text input field.
- New Password(Re-Type):** A text input field.
- OK** and **Cancel** buttons at the bottom.

3.1.6 Delete user account

Select [Edit] → [Delete User] or right click on the user list and select [Delete User]. The confirmation window will appear.

3.1.7 Save user account

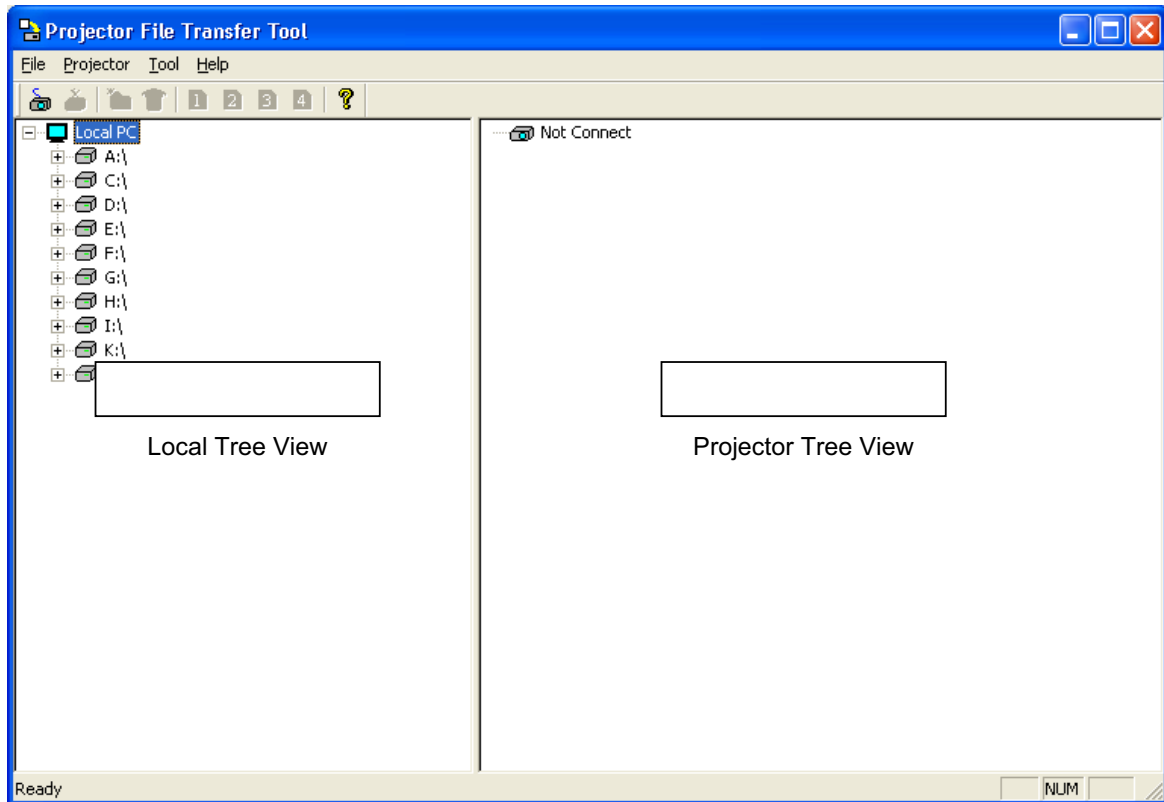
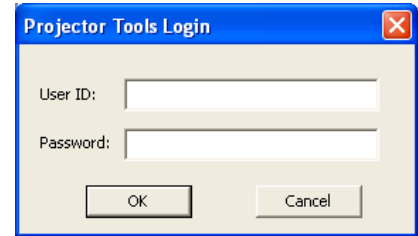
Select [File] → [Save]. The date is stored in the file, "C:\Program Files\Common Files\HITACHI\Projector Tools\config\UserList".

3.2 Start Application

Select Windows [Start] → [Program] → [Projector Tools] → [Projector File Transfer Tool]. The login window will appear.

Enter the username and password that is created by “Projector User Administration Tool”.

The following window will appear.



Local Tree View

Displays local computer directories or files.

Projector Tree View

Displays storage media folders or files that are connected to the projector.

Folder or file names must have ASCII characters (except ¥/.,,*?"<>|) and the file extension must be txt, jpg, jpeg, png or bmp. You can transfer the file both ways between computer and projector.

3.3 Quit Application

Select [File] → [Exit] to quit.

It is also possible to quit this software by clicking [x] on the top right corner of the window.

When the confirmation dialogue appears, select [OK] to finish.



3.4 Main Screen










(1) Menu

The functions of the main window are as follows.

Menu	Sub-Menu	Function
File	Update	Update tree views
	User Configuration	Launch Projector User Administration Tool.
	Exit	Quit Application.
Projector	Connect	Connect to the projector
	Disconnect	Disconnect the projector
Tool	Create Folder	Create new folder
	Delete	Delete a folder or file,
	Image-1	Assign or clear e-SHOT number "Image-1" to the selected file.
	Image-2	Assign or clear e-SHOT number "Image-2" to the selected file.
	Image-3	Assign or clear e-SHOT number "Image-3" to the selected file.
	Image-4	Assign or clear e-SHOT number "Image-4" to the selected file.
Help	About Projector File Transfer Tool	Display the version of this application.


(2) Toolbar

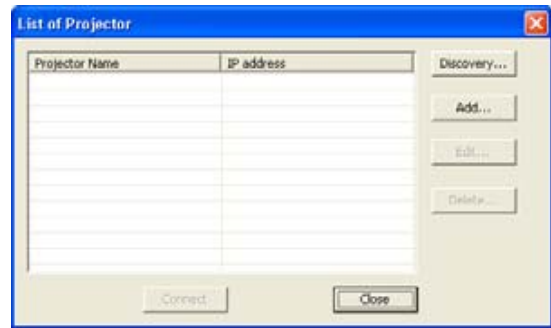
The functions of these icons correspond with the menus as follows:

Icon	Menu
	[Projector] - [Connect]
	[Projector] - [Disconnect]
	[Tool] - [Create Folder]
	[Tool] - [Delete]
	[Tool] - [Image-1]
	[Tool] - [Image-2]
	[Tool] - [Image-3]
	[Tool] - [Image-4]
	[Help] - [About Projector File Transfer Tool]

3.5 Connect to the projector

3.5.1 Register Projector

Selects [Projector] → [Connect] from menu or click  icon on the tool bar. The [List of Projector] dialog will appear.



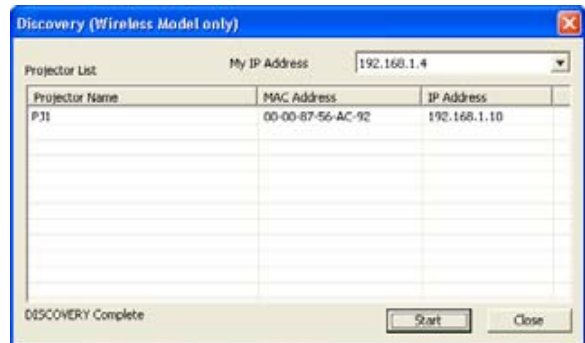
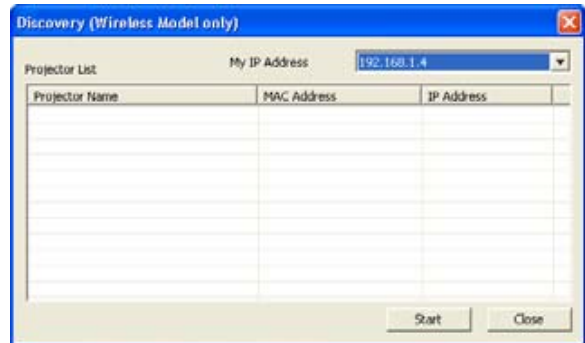
Discovery

The discovery feature allows you to search projectors on the network automatically.

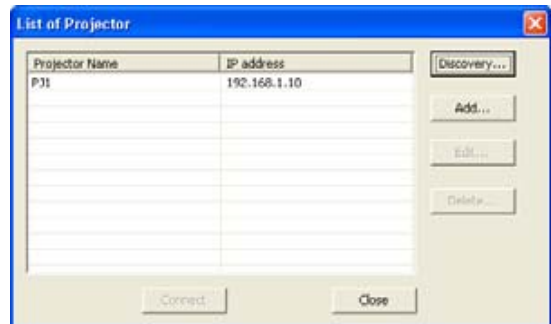
[NOTE]

Windows Security Alert will be shown on your display when the discovery function activates, if Windows Firewall is "On" on Windows XP SP2 or later. Please choose "Unblock" to add the software onto the exception list. Also other firewall security software may block the discovery function. In that case, please add the software to the safe list or disable firewall software when you use the discovery function.

Choose your computer IP address and click start button. The discovery starts to search projectors on the network and shows a result on the discovery window.

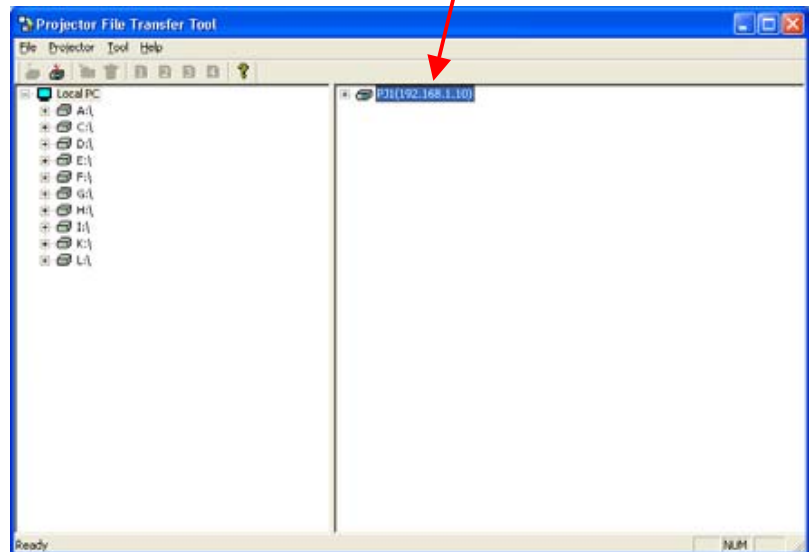
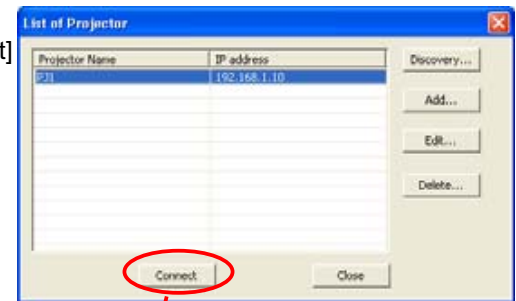


The Discovery feature will register all found projectors. Click the [Close] button to end.

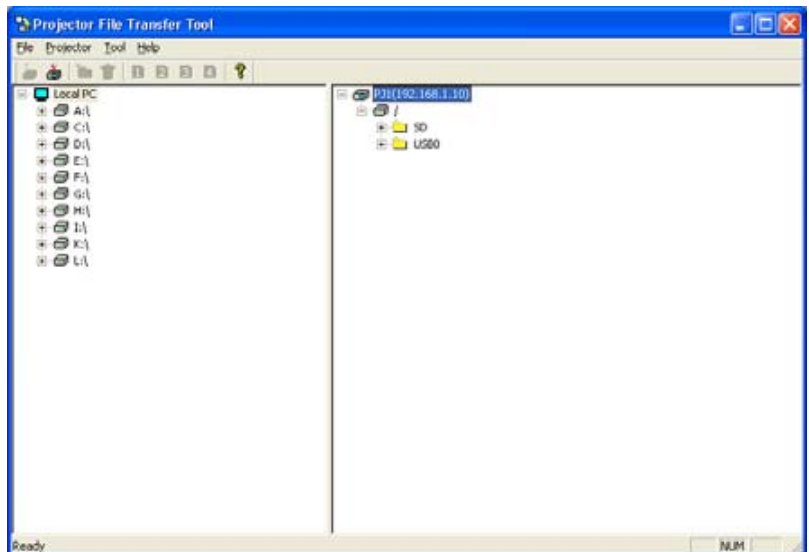


3.5.2 Connection


In order to make a connection with a projector, please select a projector from the [List of Projector] dialog and click the [Connect] button. The projector will display on the projector tree view, when the FTP connection is established.

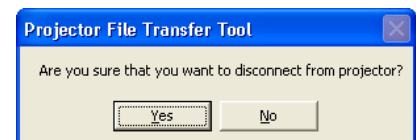


If the projector has two types of media both SD memory card and USB flash drive, the media will be shown as separate folders. See the example below.



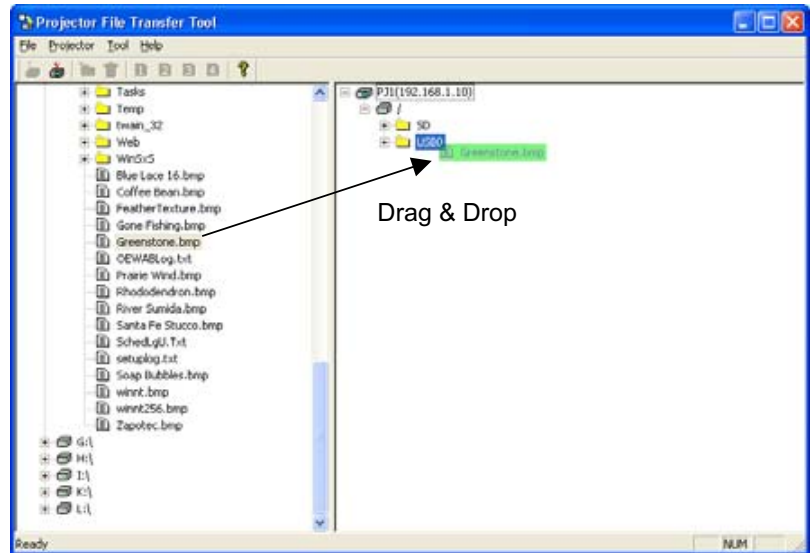
3.5.3 Disconnect

Select [Projector] → [Disconnect] from the menu or click  icon on the tool bar to disconnect a projector. The following confirmation message will appear.

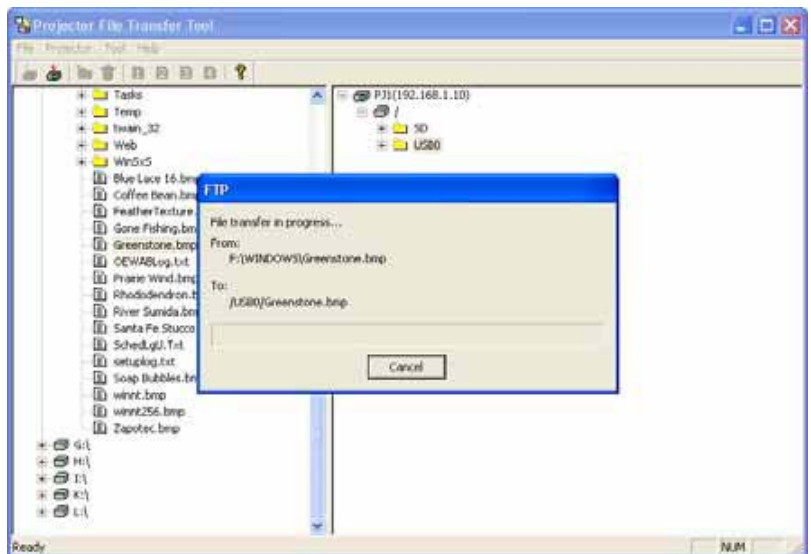


3.6 Transfer file

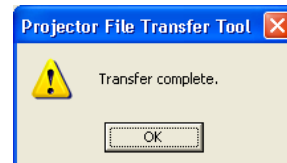
In order to transfer file(s), drag and drop a folder or file onto the projector tree view.



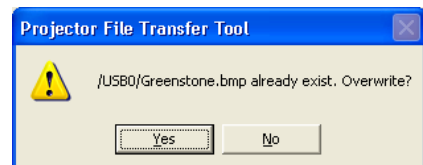
The progress status window will be shown during the transfer process. To cancel the process click the [Cancel] button.




When the transfer is complete, the following message will appear.

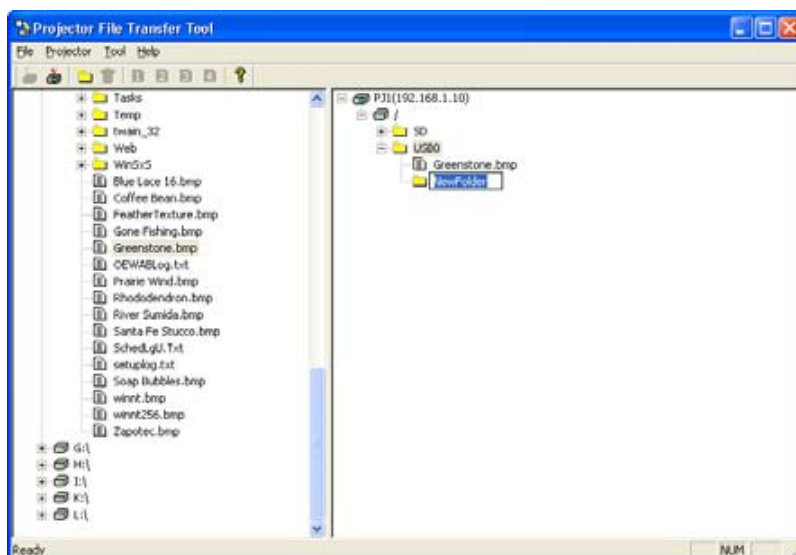


Also, if a same file name exists on the destination folder, the confirmation window for overwriting it will appear. Click [Yes] if you want to overwrite the file, otherwise click [No].




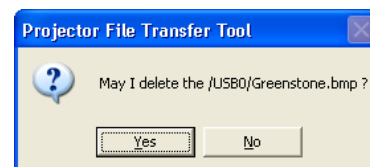
3.7 Create Folder

Select [Tool] → [Create Folder] from the menu or click  icon on the tool bar to create a folder in the storage media. Also there is a short cut menu if you right mouse click on the projector view.












3.8 Delete folder or file

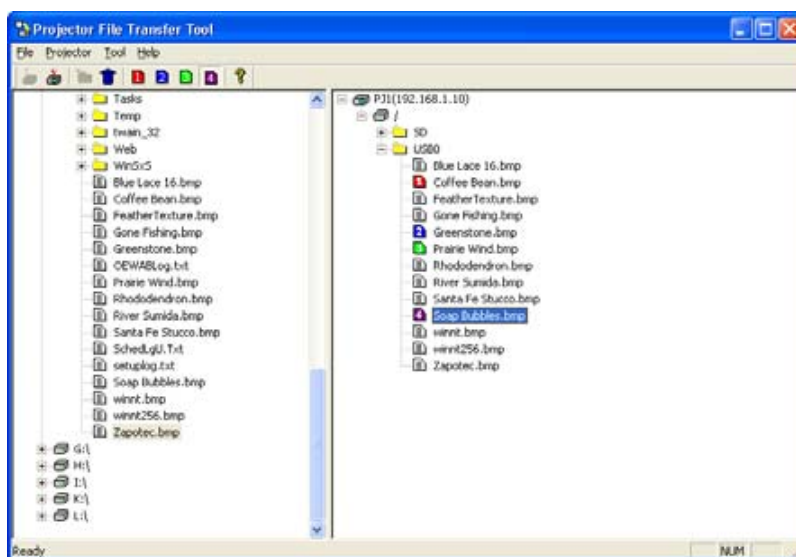
Select [Tool] → [Delete] from the menu or click  icon on the tool bar to delete a file or folder. Also there is a short cut if you right mouse click on the projector tree view. The confirmation message will appear.




3.9 Assign a file to e-SHOT image

The files on the storage media can be assigned as e-SHOT image from number 1 to 4. Select a file on the projector tree view and choose [Tool] → [Image-n] from the menu or click either     icon from the tool bar to assign e-SHOT image. Also there is a short cut menu if you right mouse click on the projector tree. The file format must be jpg, jpeg, png or bmp.

The file icon is assigned as e-SHOT file changes    . In addition, you can assign multiple e-SHOT numbers to one file. In that case, the file icon will be shown as  icon and can check the actual assignment from that icon status on the tool bar.



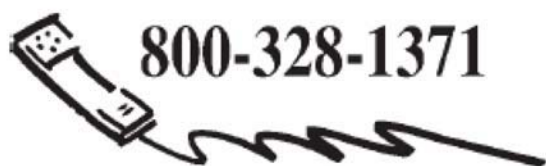
3.10 About this Application

You can check the version of this application. Select [Help] → [About Projector File Transfer Tool], or click .



4 Limitations

- e-SHOT does not support the following file formats.
 - Progressive JPEG
 - 16 bit color depth Bitmap
 - Interlaced PNG file
- If the network connection is terminated or this tool ends abnormally after you have connected to the projector, the projector's FTP logon remains and you cannot re-connect to the projector with this tool for 20 minutes. If you want to re-connect to the projector immediately, please logon to projector's HTML as the administrator and click the [Restart] button at the Network Restart page, or execute the MIU RESTART by selecting the [MIU] → [SERVICE] → [MIU RESTART] in the projector's advanced menu.



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